

HISTORIC AMERICAN ENGINEERING RECORD

INDEX TO PHOTOGRAPHS

HAER
NY
32-LOCK,
14A-

New York State Barge Canal, Lockport Locks
Erie Canal, Combined Locks 67-71
East of Richmond Ave.
Lockport
Erie County
New York

HAER No. NY-61

Jack Boucher, Photographer, 1971

NY-61-1 AERIAL VIEW OF LOCKPORT, LOOKING SOUTHWEST. NEW YORK STATE
BARGE CANAL (ERIE CANAL) RUNNING THROUGH CENTER OF PHOTO.
LOCKPORT LOCKS IN UPPER CENTER OF PHOTOGRAPH.

NY-61-2 AERIAL VIEW OF LOCKPORT LOOKING NORTHEAST. LOCKS VISIBLE IN
IN UPPER RIGHT SIDE OF PHOTOGRAPH.

NY-61-3 LOCKPORT LOCKS. 19TH CENTURY LOCKS VISIBLE ON RIGHT. ELECTRIC
LIFT LOCKS (1909-1918) VISIBLE ON LEFT.

J. Carl Burke, Photographer, 1970

NY-61-4 LOOKING NORTHEAST TOWARDS LOCKS. 19TH CENTURY GRAVITY LOCKS ON
RIGHT. 20TH CENTURY ELECTRIC LIFT LOCKS ON LEFT.

NY-61-5 VIEW NORTHEAST SHOWING 19TH CENTURY STEPPED LOCKS. NOTE THAT
THAT GATES HAVE BEEN REMOVED TO ALLOW PASSAGE OF SURPLUS WATER.

NY-61-6 VIEW SOUTHEAST LOOKING DOWN LOCKS. NOTE LIMESTONE OF CANAL WALL.

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ADDENDUM TO:

HAER NY-61

NEW YORK STATE BARGE CANAL, LOCKPORT LOCKS

(Erie Canal, Combined Locks 67-71)

Richmond Avenue

Lockport

Niagara County

New York

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| NY-61-8 | TIGHTER VIEW, LOOKING SOUTHWEST OF OLD AND NEW LOOKS EMPLOYING 600MM LENS, VISUAL EMPHASIS PLACED ON FLIGHT OF FIVE FROM RAILROAD BRIDGE. |
| NY-61-9 | VIEW LOOKING SOUTH SOUTHWEST AT THE BASE OF THE LOCKS. THE ERIE CANAL MUSEUM (FORMER LOCK POWER PLANT) IS THE STRUCTURE IN THE CENTER OF THE VIEW. |
| NY-61-10 | VIEW LOOKING SOUTH SOUTHWEST AT THE DOWNSTREAM ENTRANCE INTO LOCK 67. NOTE THE BEDDING TIMBERS AT BASE OF STONE WORK. THEY ARE EXPOSED ONLY AT LOW WATER. |
| NY-61-11 | VIEW LOOKING NORTHEAST, LOCK 35 IS ON THE RIGHT. CANAL WORKERS ARE CLEANING TRASH GRATES TO LOCK 35 WATER INLET. ENTRANCE TO OLD LOCK 71 ON LEFT. NOTE THE SEDIMENT BUILD UP IN THE ENTRANCE CHANNEL TO OLD LOCK 71. |

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- NY-61-12 DETAIL OF DOCKING CLEAT FASTENED TO NORTH WALL BEFORE THE UPSTREAM ENTRANCE TO THE FLIGHT OF FIVE LOCKS.
- NY-61-13 DETAIL OF IRON ROPE GUIDE IN NORTH WALL NEAR LOCK 71.
- NY-61-14 VIEW SOUTH SOUTHWEST LOOKING UPSTREAM FROM ENTRANCE TO LOCKS 35 AND 71. THE BRIDGE IN THE VIEW IS NOTED FOR ITS EXTRAORDINARY WIDTH (475 FT.) RELATIVE TO ITS MODEST SPAN (116 FT. 10 IN.). WHEN CONSTRUCTED IN 1914 IT WAS CLAIMED TO BE THE WIDEST BRIDGE IN THE WORLD. MAIN STREET CROSSES IT DIAGONALLY, ALONG WITH TWO CROSS STREETS.
- NY-61-15 VIEW LOOKING DOWN STREAM FROM THE LOCK COMPLEX ACCESS ROAD (FORMER TOW PATH). THE UPSTREAM ENTRANCE TO THE FLIGHT OF FIVE LOCKS IS CENTER AND CENTER RIGHT IN THE VIEW. THE ENTRANCE TO THE HYDRAULIC RACE CONTROL VALVES ARE TO LEFT IN THE VIEW.
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- NY-61-17 VIEW LOOKING NORTHEAST SHOWING THE TRASH GRATE THAT REPLACED THE LOCK GATES TO LOCK 71 WHEN THE FLIGHT OF FIVE WAS CONVERTED TO A SPILLWAY AFTER THE LARGER LOCKS, 34 AND 35, WERE PUT INTO OPERATION. THE SHOVEL TRUCK IN THE VIEW IS USED TO CLEAR DEBRIS.
- NY-61-18 VIEW LOOKING NORTHEAST FROM THE MAIN STREET BRIDGE (THE "BIG BRIDGE") AT THE UPSTREAM ENTRANCE TO THE LOCK COMPLEX AND THE LOCK 35 ENTRANCE GATES. NOTE HYDRAULIC RACE INLET AT FAR LEFT.

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- NY-61-19 VIEW LOOKING NORTHEAST INTO LOCK 71. NOTE THE SEDIMENT BUILD UP. THIS IS BY DESIGN, NOT ONLY ARE THE OLDER LOCKS USED AS AN OVERFLOW SPILLWAY FOR THE CURRENT LOCKS, THEY ARE ALSO USED FOR SEDIMENT AND DEBRIS CONTROL.
- NY-61-20 VIEW LOOKING SOUTHWEST INTO LOCK 71. NOTE THE CONCRETE WALL WITH GATE-VALVED INLETS AT THE BOTTOM, BUILT AT THE LOCATION OF THE FORMER LOCK GATES. THE INLETS CONTROL THE VOLUME OF WATER PASSING THROUGH THE SPILLWAY TO MANAGE THE WATER FLOW TO THE DOWNSTREAM PORTION OF THE CANAL.
- NY-61-21 VIEW LOOKING NORTHEAST INTO LOCK 70. THE FLAT BRIDGE IN THE FOREGROUND IS A LATER ADDITION TO FACILITATE VEHICULAR AND EQUIPMENT ACCESS TO THE LOCK TENDERS OFFICE AND THE UPPER LOCK AREA.
- NY-61-22 DETAIL VIEW OF LOCK WALL RECESS AT THE DOWNSTREAM END OF LOCK 70. THE RECESS, TYPICAL OF BOTH WALLS IN ALL OF THE LOCKS, PROVIDED SPACE FOR OPEN LOCK GATES TO ALLOW UNIMPEDED PASSAGE OF LOCK TRAFFIC.
- NY-61-23 VIEW LOOKING NORTHEAST UNDER THE PINE STREET BRIDGE. THE GRASSY AREA IN THE MIDDLE IS THE LOCATION OF THE FORMER FLIGHT OF FIVE LOCKS THAT CARRIED THE DOWNSTREAM, EASTBOUND, CANAL TRAFFIC. THE CUT-STONE WALL IS AN EXTANT REMNANT OF THE LOCKS.
- NY-61-24 PERSPECTIVE LOOKING NORTH NORTHEAST THROUGH LOCKS 70 (FOREGROUND), 69, 68, 67 (EXTERME BACKGROUND).

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- NY-61-25 VIEW LOOKING NORTHEAST THROUGH BARGE CANAL LOCK 34. THE VIEW ALSO SHOWS A PIN CONNECTION OF ONE OF THE PINE STREET BRIDGE ARCHES AT THE SOUTH ABUTMENT.
- NY-61-26 DETAIL VIEW LOOKING NORTH NORTHEAST AT THE EXTANT METAL HARDWARE FOR THE LOCK 70 LOWER GATES. THE VIEW ALSO SHOWS ONE OF THE THREE EXTANT ARCHED FOOT BRIDGES SPANNING THE OLD LOCKS THAT DATE FROM THE MID-1800s.
- NY-61-27 VIEW LOOKING WEST THROUGH LOCK 70. NOTE THE EXTANT HARDWARE EMBEDDED IN THE TOP OF THE LOCK WALLS, THE RECESSES IN THE LOCK WALLS, AND THE LATER-ERA CONCRETE WEIR APPROXIMATELY WHERE THE LOCK GATE SHOULD BE.
- NY-61-28 VIEW LOOKING WEST THROUGH PART OF LOCK 69 AT THE CONCRETE WEIR IN THE FORMER GATE POSITION BETWEEN LOCKS 69 AND 70. NOTE THE WATER INLET PORTS AT THE BASE OF THE NORTH WALL OF LOCK 69.
- NY-61-29 VIEW LOOKING SOUTHWEST FROM THE PINE STREET BRIDGE. VIEW SHOWS LOCK 35 AT LEFT, THE LOCK KEEPER'S OFFICE IN THE CENTER, AND LOCKS 70 AND 71 IN THE FOREGROUND AND CENTER RIGHT.
- NY-61-30 VIEW LOOKING SOUTHWEST FROM THE FOOT BRIDGE SPANNING LOCK 67 TOWARD LOCKS 68 AND 69.
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NY-61-32	VIEW LOOKING NORTHEAST FROM THE VEHICLE ACCESS BRIDGE TO THE LOWER END OF THE LOCK COMPLEX. THIS VIEW IS LOOKING THROUGH LOCK 67. NOTE THE ERIE CANAL MUSEUM (FORMER POWER PLANT) ON THE RIGHT.
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ENTRANCE INTO BARGE CANAL LOCK 34. THE ERIE
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